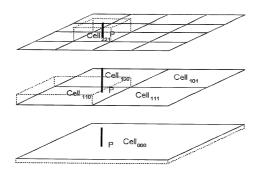
FIG. 1



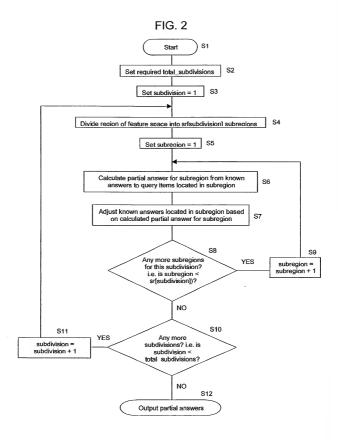


FIG. 3

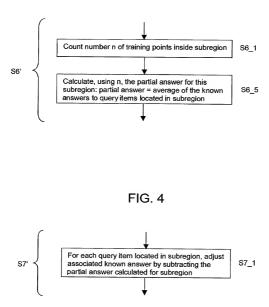
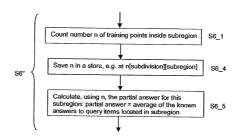


FIG. 5



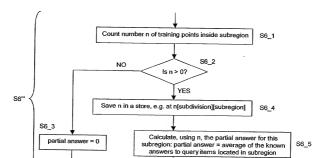
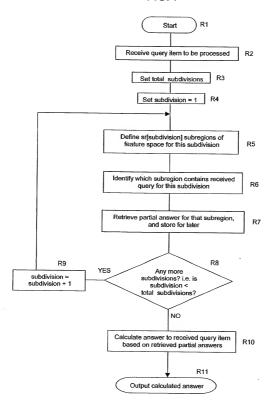
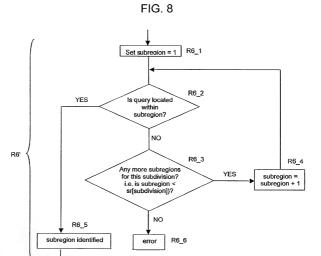


FIG. 6

FIG. 7





R7'

R72

Partial answer = 0

Store partial answer from store

R7_4

R7_4

FIG. 10



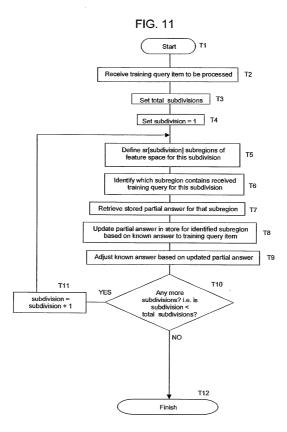


FIG. 12

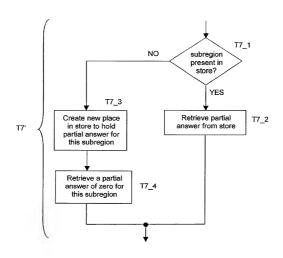


FIG. 13

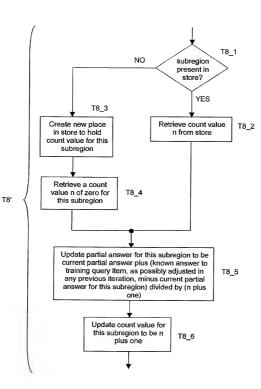


FIG. 14

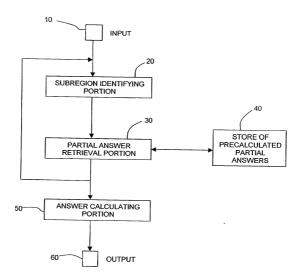


FIG. 15

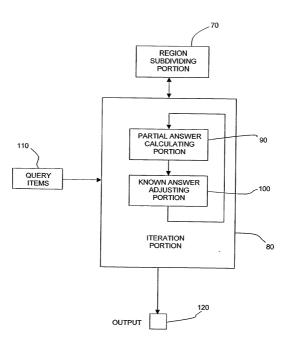


FIG. 16

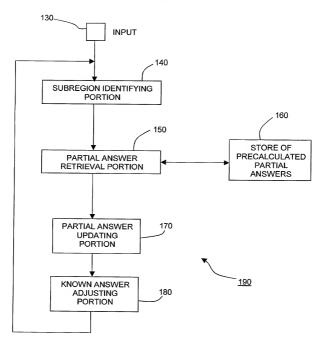


FIG. 17

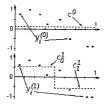


FIG. 18

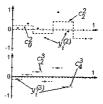


FIG. 19



FIG. 20

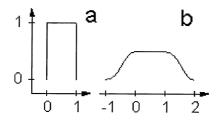


FIG. 21

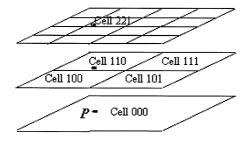


FIG. 22

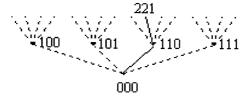


FIG. 23

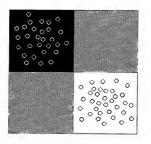


FIG. 24



FIG. 25

Approximation	24.8.10-6	24.8·10-6 16.35·10-3		20	77.60	77.60		
Interpolation	24.8.10-6	11.62.10-6		20	100.0		76.16	
	(0	Query time (sec)		6	Train performance (%)		adeily perioritiance (%)	

FIG. 26

Results of	# of points	training	Testing	runtime,		
Garcke et al		correctness	correctness	sec		
Level 1	5x10⁴	87.9	88.1	158		
	5x10 ⁵	88.0	88.1	1570		
	5x10 ⁶	88. <i>0</i>	88. <i>0</i>	15933		
Level 2	5x10 ⁴	89.2	89.3	1155		
	5x10 ⁵	89.4	89.2	11219		
	5x10 ⁶	89.3	89.2	112656		
Results of	# of points	training	Testing	train	test	memory
This Work	train& test	correctness	correctness	time,sec	time,sec	used
Level 1	50k & 50k	86.2	86.2	0.35	0.25	3.1k
	500k &500k	86.4	86.5	3.4	2.4	3.1k
Level 2	50k & 50k	91.6	89.3	0.75	0.45	163k
	500k &500k	90.7	90.5	9.5	4.5	197k
Level 3	50k & 50k	98.2	88.8	1.55	0.85	1.53M
	500k &500k	95.4	90.6	16.5	9.5	5.40M
Level 4	50k & 50k	99.9	88.8	2.05	1.15	3.86M
	500k &500k	99.5	90.3	21.5	12.5	24.7M
Level 5	50k & 50k	100.0	88.8	2.55	1.25	6.26M
	500k &500k	100.0	90.3	28.5	15.5	48.6M